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Publication date: 1987-03-31  
Inventor(s): HASHIMOTO SUSUMU (JP)  
Applicant(s): TOKYO SHIBAURA ELECTRIC CO (JP)  
Requested Patent: ☐ JP59049682  
Application Number: US19860882433 19860707  
Priority Number(s): JP19820161364 19820916  
IPC Classification:  
EC Classification: G06F7/06, G07F7/10F4, G07D7/00S  
Equivalents: ☐ DE33333365, ☐ GB2127792

#### Abstract

A sorting and stacking apparatus has a currency note feeding section for feeding currency notes one at a time; and a currency note inspecting section for inspecting the denomination of a currency note, a normal note, a damaged note, an obverse-presented note and a reverse-presented note. The currency notes of a predetermined denomination among the currency notes fed by the currency note feeding section are fed to a first stacking section having first and second pockets while currency notes of other denominations are fed to the second stacking section. When the first pocket of the first stacking section is filled with the currency notes, the transport path of the currency note is automatically switched toward the second pocket. Subsequent currency notes are thus stacked in the second pocket of the first stacking section.

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4/19/1 (Item 1 from file: 347)

01338082 SECTIONAL INTEGRATION APPARATUS

Pub. No.: 59-049682 A ]

Published: March 22, 1984 (19840322)

Inventor: HASHIMOTO SUSUMU

Applicant: TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

Application No.: 57-161364 [JP 82161364]

Filed: September 16, 1982 (19820916)

International Class: [ 3 ] G07D-003/00; B07C-003/02

JAPIO Class: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.9 (TRANSPORTATION -- Other)

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☐ 2.

4/19/2 (Item 2 from file: 345)

4577597

Basic Patent (No,Kind,Date): GB 8324825 A0 831019

## PATENT FAMILY:

## GERMANY (DE)

Patent (No,Kind,Date): DE 3333365 A1 840322

SORTIER/ABLAGEVORRICHTUNG (German)

Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)

Author (Inventor): HASHIMOTO SUSUMU (JP)

Priority (No,Kind,Date): JP 82161364 A 820916

Applic (No,Kind,Date): DE 3333365 A 830915

IPC: \* B07C-005/34; B07C-003/06; B65G-047/42; G07D-007/00; G06M-007/06

Derwent WPI Acc No: \* G 84-076800

Language of Document: German

## GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 3333365	P	820916	DE AA	PRIORITY (PATENT APPLICATION)
				(PRIORITAET (PATENTANMELDUNG))
			JP 82161364	A 820916
DE 3333365	P	830915	DE AE	DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG)
				(PATENTANMELDUNG)
			DE 3333365	A 830915
DE 3333365	P	840322	DE A1	LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)

DE 3333365 P 840322 DE OP8 REQUEST FOR EXAMINATION AS TO  
PAR. 44 PATENT LAW (PRUEFUNGSANTRAG GEM.  
PAR. 44 PATG. IST GESTELLT)

DE 3333365 P 850314 DE 8128 NEW PERSON/NAME/ADDRESS OF THE  
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WOHNORT DES VERTRETERS)  
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DE 3333365 P 870402 DE 8127 NEW PERSON/NAME/ADDRESS OF THE  
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WOHNORT DES ANMELDERS)  
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JP

DE 3333365 P 900315 DE 8131 REJECTION (ZURUECKWEISUNG)

## GREAT BRITAIN (GB)

Patent (No, Kind, Date): GB 8324825 A0 831019  
SORTING AND STACKING APPARATUS (English)  
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO  
Priority (No, Kind, Date): JP 82161364 A 820916  
Applic (No, Kind, Date): GB 8324825 A 830916  
IPC: \* B07C-005/34  
Language of Document: English

Patent (No, Kind, Date): GB 2127792 A1 840418  
SORTING AND STACKING APPARATUS (English)  
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO  
Author (Inventor): HASHIMOTO SUSUMU  
Priority (No, Kind, Date): JP 82161364 A 820916  
Applic (No, Kind, Date): GB 8324825 A 830916  
National Class: \* B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;  
U1S2272; U1SB8R  
IPC: \* B65H-043/00  
Language of Document: English

Patent (No, Kind, Date): GB 2127792 B2 861015  
SORTING AND STACKING APPARATUS (English)  
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO  
Author (Inventor): HASHIMOTO SUSUMU  
Priority (No, Kind, Date): JP 82161364 A 820916  
Applic (No, Kind, Date): GB 8324825 A 830916  
National Class: \* B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;  
U1S2272; U1SB8R  
IPC: \* B65H-043/00  
Language of Document: English

## GREAT BRITAIN (GB)

Legal Status (No, Type, Date, Code, Text):  
GB 2127792 P 820916 GB AA PRIORITY (PATENT)  
JP 82161364 A 820916  
GB 2127792 P 830916 GB AE APPLICATION DATA (APPL. DATA)

GB 8324825 A 830916  
GB 2127792 P 840418 GB A1 APPLICATION PUBLISHED  
GB 2127792 P 861015 GB PG PATENT GRANTED  
GB 2127792 P 980506 GB PCNP PATENT CEASED THROUGH  
NON-PAYMENT OF RENEWAL FEE  
970916

## JAPAN (JP)

Patent (No, Kind, Date): JP 59049682 A2 840322  
SECTIONAL INTEGRATION APPARATUS (English)  
Pat nt Assignee: TOKYO SHIBAURA ELECTRIC CO  
Author (Inventor): HASHIMOTO SUSUMU  
Priority (No, Kind, Date): JP 82161364 A 820916  
Applic (No, Kind, Date): JP 82161364 A 820916

IPC: \* G07D-003/00; B07C-003/02  
Language of Document: Japanese

## UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4653647 A 870331  
SORTING AND STACKING APPARATUS (English)  
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)  
Author (Inventor): HASHIMOTO SUSUMU (JP)  
Priority (No,Kind,Date): US 532516 A1 830915; JP 82161364 A  
820916  
Applic (No,Kind,Date): US 882433 A 860707  
Addnl Info: Abandoned  
National Class: \* 209534000; 209551000; 271288000; 377008000  
IPC: \* B07C-005/342  
Language of Document: English

## UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 4653647	P	820916	US AA	PRIORITY (PATENT)
			JP 82161364 A	820916
US 4653647	P	830915	US AA	PRIORITY
			US 532516 A1	830915
US 4653647	P	860707	US AE	APPL. DATA (PATENT)
			US 882433 A	860707
US 4653647	P	870331	US A	PATENT
US 4653647	P	990608	US FP	EXPIRED DUE TO FAILURE TO PAY
			MAINTENANCE FEE	
			19990331	

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